

converters present a large amount of mass and also suffer from the drawback of poor energy efficiency for an induction heating system.

IN THE CLAIMS:

Please cancel claims 1, 2 and 3 without prejudice or disclaimer.

Please enter the following amended claims:

4. (Amended) A device according to claim 14, wherein at least one of said propellant fluids feeds at least a first heat exchanger for cooling the electricity generator.

5. (Amended) A device according to claim 14, wherein the injection chamber has a first inlet for a first propellant fluid, and a second inlet for a second propellant fluid which enters into the injection chamber and reacts chemically to produce heat.

Please add the following new claims:

14. (New) A propulsion device comprising; an injection chamber for at least one propellant fluid, said injection chamber disposed upstream from a gas injection nozzle, an inductive coil having at least one loop and surrounding a zone of the injection nozzle to heat the ejected gases by induction, a high frequency electricity generator providing power to said inductive coil with alternating current, said power being transformed into heat in the ejected gas by induction, said heat generating added thrust by gas expansion in a diverging section of said nozzle disposed downstream of said inductive coil.